

- Collect HW and Honors
- 7.2 notes (brief)
- Tests/corrections

7-2 Graphing Polynomial Functions

$$f(x) = x^4 + x^3 - 4x^2 - 4x$$

Roots $\{-2, -1, 0, 2\}$

Relative max 1 .941

Relative min 2 -1.383, -6.914

Ex

$$f(x) = -x^3 - 4x^2 + 5$$


Roots $\{-3.618, -1.382, 1\}$

Relative max 5

Relative min -4.481

Degree n

Turning points at most $n - 1$

 ← degree of 3
at most 2 turning pts